



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO: 20567

P. O. BOX 1599 WICHITA, KANSAS 67201 PHONE (316) 262-5861

Elevation 2159 66 Formation LAUSING Eff. Pay Ft.

District PRATT Date 4-26-94 Customer Order No.

COMPANY NAME McGinness Oil Co.

ADDRESS 150 N. Main Ste. 1026 Wichita, KS. 67202

LEASE AND WELL NO. Keller #1 COUNTY KIOWA STATE KS Sec. 5 Twp 28 Rge. 17

Mail Invoice To Co. Name #1 Keller Same Address No. Copies Requested

Mail Charts To Co. Name #1 Keller Same Address No. Copies Requested

Formation Test No. 1 Interval Tested From 4174 ft. to 4192 ft. Total Depth 4192 ft.

Packer Depth 4169 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4174 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4179 ft. Recorder Number 4339 Cap. 4325

Bottom Recorder Depth (Outside) 4182 ft. Recorder Number 13548 Cap. 4075

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor PICKRELL Drill Collar Length 214 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 49 Weight Pipe Length 3933 I. D. 3.8 in.

Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 27 I. D. 5 1/2 in.

Chlorides 6,800 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 18 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 7 in.

Blow: GAS TO SURFACE IN 3 MINUTES

Recovered 54.7 MCFD THRU 1/4 INCH ORIFICE

Recovered 180 ft. of MUDDY WATER 45% MUD 55% WATER

Recovered 600 ft. of SALT WATER

Recovered ft. of

Recovered ft. of

Chlorides 115,000 P.P.M. Sample Jars used Remarks:

Time On Location 9:30 A.M. Time Pick Up Tool 10:30 A.M. Time Off Location A.M.

Time Set Packer(s) 12:10 P.M. Time Started Off Bottom 2:25 P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 2043 P.S.I.

Initial Flow Period Minutes 30 (B) 227 P.S.I. to (C) 238 P.S.I.

Initial Closed In Period Minutes 30 (D) 1407 P.S.I.

Final Flow Period Minutes 30 (E) 272 P.S.I. to (F) 375 P.S.I.

Final Closed In Period Minutes 45 (G) 1418 P.S.I.

Final Hydrostatic Pressure (H) 1971 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative STUART STOVER

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test \$600.00, Misrun \$, Straddle Test \$, Jars \$, Selective Zone \$, Safety Joint \$, Standby \$, Evaluation \$, Extra Packer \$, Circ. Sub. \$, Mileage \$, Fluid Sampler \$.



No. 1155

GAS FLOW REPORT

Date 4-26-94 Ticket 20567 Company MCGINNESS OIL
 Well Name and No. Keller #1 Dst No. 1 Interval Tested 4174-92
 County KIOWA State KANSAS Sec. 5 Twp. 28 Rg. 17

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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GTS IN 3 MIN. PRE FLOW

5	4.0	1/4 INCH			18.5
10	10.0				30.8
15	22				50.2
20	24				53.2
25	27				57.7
30	28				59.0

SECOND FLOW

10	20	1/4 INCH			47.1
20	25				54.7
30	25				54.7

GAS BOTTLE

Serial No. _____ Date Bottle Filled ~~4-26-94~~ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME MCGINNESS OIL

Authorized by _____

WESTERN TESTING CO., INC.
Pressure Data

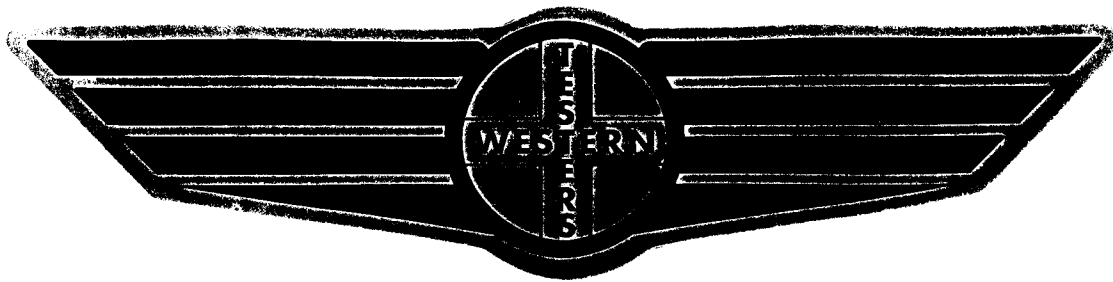
Date 4-26-94 Test Ticket No. 20367
 Recorder No. _____ Capacity _____ Location 4179 Ft. _____
 Clock No. _____ Elevation _____ Well Temperature 112 °F _____

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2000</u>	P.S.I.		<u>12:10A</u> M	
B First Initial Flow Pressure	<u>225</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>243</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1412</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>247</u>	P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>384</u>	P.S.I.			
G Final Closed-in Pressure	<u>1425</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1974</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	275 <u>225</u>	0	<u>243</u>	0	<u>247</u>	0	<u>384</u>
P 2 5	<u>216</u>	3	<u>1096</u>	5	<u>280</u>	3	<u>1335</u>
P 3 10	<u>202</u>	6	<u>1309</u>	10	<u>295</u>	6	<u>1318</u>
P 4 15	<u>200</u>	9	<u>1342</u>	15	<u>311</u>	9	<u>1351</u>
P 5 20	<u>207</u>	12	<u>1362</u>	20	<u>336</u>	12	<u>1368</u>
P 6 25	<u>223</u>	15	<u>1375</u>	25	<u>355</u>	15	<u>1379</u>
P 7 30	<u>243</u>	18	<u>1386</u>	30	<u>375</u>	18	<u>1390</u>
P 8 35		21	<u>1395</u>	35	<u>384</u>	21	<u>1399</u>
P 9 40		24	<u>1404</u>	40		24	<u>1404</u>
P 10 45		27	<u>1408</u>	45		27	<u>1408</u>
P 11 50		30	<u>1412</u>	50		30	<u>1412</u>
P 12 55		33		55		33	<u>1416</u>
P 13 60		36		60		36	<u>1419</u>
P 14 65		39		65		39	<u>1421</u>
P 15 70		42		70		42	<u>1423</u>
P 16 75		45		75		45	<u>1425</u>
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY MCGINNNESS OIL COMPANY LEASE & WELL NO. #1 KELLER SFC. 5 TWP. 40S RGE. 4" TEST NO. DATE

DST REPORT

GENERAL INFORMATION

DATE : 4/26/94
CUSTOMER : MCGINNESS OIL COMPANY
WELL : #1 TEST: 1
ELEVATION: 2159 GL
SECTION : 5
RANGE : 17W COUNTY: KIOWA
GAUGE SN#: 4339 RANGE : 4325
TICKET : 20567
LEASE : KELLER
GEOLOGIST: MCGINNESS
FORMATION: LANSING
TOWNSHIP : 28S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4174.00 ft TO: 4192.00 ft TVD: 4192.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4179.0 ft 4182.0 ft
TEMPERATURE: 112.0
DRILL COLLAR LENGTH: 214.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3933.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 27.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 18.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4169.0 ft SIZE: 6.630 in
PACKER DEPTH: 4174.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : PICKRELL
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 6800 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 49.00 cp
WATER LOSS: 12.000 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

GAS TO SURFACE IN 3 MINUTES.
54.7 MCFD THROUGH 1/4 INCH ORIFICE

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	0.0	55.0	45.0	MUDDY WATER
600.0	0.0	0.0	100.0	0.0	SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 115000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	65.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.1361 STB	AVERAGE WATER RATE:	199.1909 STB/D
WATER VOLUME:	7.8551 STB		
TOTAL FLUID :	8.9913 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2043.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	227.00	238.00
INITIAL SHUT-IN	30.00		1407.00
FINAL FLOW	30.00	272.00	375.00
FINAL SHUT-IN	45.00		1418.00

FINAL HYDROSTATIC PRESSURE: 1971.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2000.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	225.00	243.00
INITIAL SHUT-IN	30.00		1412.00
FINAL FLOW	35.00	277.00	384.00
FINAL SHUT-IN	45.00		1425.00

FINAL HYDROSTATIC PRESSURE: 1974.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 4/26/94 CUSTOMER : MCGINNESS OIL COMPANY WELL : #1 TEST: 1 ELEVATION: 2159 GL SECTION : 5 RANGE : 17W COUNTY: KIOWA GAUGE SN#: 4339 RANGE : 4325	TICKET : 20567 LEASE : KELLER GEOLOGIST: MCGINNESS FORMATION: LANSING TOWNSHIP : 28S STATE : KS CLOCK : 12
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PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.250	4 PSIG	18500 SCF/D
10 MIN	MERLA	0.250	10 PSIG	30800 SCF/D
15 MIN	MERLA	0.250	22 PSIG	50200 SCF/D
20 MIN	MERLA	0.250	24 PSIG	53200 SCF/D
25 MIN	MERLA	0.250	27 PSIG	57700 SCF/D
30 MIN	MERLA	0.250	28 PSIG	59000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.250	20 PSIG	47100 SCF/D
20 MIN	MERLA	0.250	25 PSIG	54700 SCF/D
30 MIN	MERLA	0.250	25 PSIG	54700 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 4/26/94	TICKET : 20567
CUSTOMER : MCGINNESS OIL COMPANY	LEASE : KELLER
WELL : #1 TEST: 1	GEOLOGIST: MCGINNESS
ELEVATION: 2159 GL	FORMATION: LANSING
SECTION : 5	TOWNSHIP : 28S
RANGE : 17W COUNTY: KIOWA	STATE : KS
GAUGE SN#: 4339 RANGE : 4325	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	225.00	225.00
5.00	216.00	-9.00
10.00	202.00	-14.00
15.00	200.00	-2.00
20.00	207.00	7.00
25.00	223.00	16.00
30.00	243.00	20.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1096.00	1096.00	11.00
6.00	1307.00	211.00	6.00
9.00	1342.00	35.00	4.33
12.00	1362.00	20.00	3.50
15.00	1375.00	13.00	3.00
18.00	1386.00	11.00	2.67
21.00	1395.00	9.00	2.43
24.00	1404.00	9.00	2.25
27.00	1408.00	4.00	2.11
30.00	1412.00	4.00	2.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	277.00	277.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

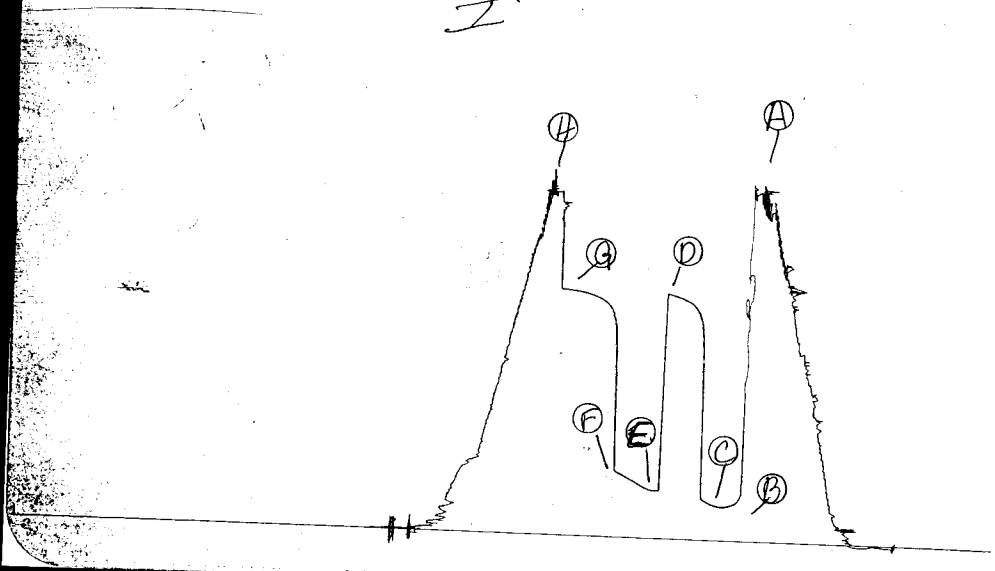
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	280.00	3.00
10.00	295.00	15.00
15.00	311.00	16.00
20.00	336.00	25.00
25.00	355.00	19.00
30.00	375.00	20.00
35.00	384.00	9.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1235.00	1235.00	12.67
6.00	1318.00	83.00	6.83
9.00	1351.00	33.00	4.89
12.00	1368.00	17.00	3.92
15.00	1379.00	11.00	3.33
18.00	1390.00	11.00	2.94
21.00	1399.00	9.00	2.67
24.00	1404.00	5.00	2.46
27.00	1408.00	4.00	2.30
30.00	1412.00	4.00	2.17
33.00	1416.00	4.00	2.06
36.00	1419.00	3.00	1.97
39.00	1421.00	2.00	1.90
42.00	1423.00	2.00	1.83
45.00	1425.00	2.00	1.78

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